(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property **Organization**

International Bureau



(43) International Publication Date 29 April 2004 (29.04.2004)

PCT

(10) International Publication Number WO 2004/035828 A2

(51) International Patent Classification⁷:

C12Q 1/68

(74) Agents: CAPASSO, Olga et al.; De Simone & Partners S.p.A., Via V. Bellini, 20, I-00198 Roma (IT).

(21) International Application Number:

PCT/IT2003/000627

(22) International Filing Date: 14 October 2003 (14.10.2003)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data: RM2002A000525 15 October 2002 (15.10.2002)

- (71) Applicant (for all designated States except US): SHARDNA S.P.A. [IT/IT]; Viale Trento 39, I-09123 Cagliari (IT).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): PIRASTU, Mario [IT/IT]; C/O Shardna S.P.A., Piazza Deffenu, 4, I-09125 Cagliari (IT). GIANFRANCESCO, Fernando [IT/IT]; C/O Shardna S.P.A., Piazza Deffenu, 4, I-09125 Cagliari (IT). ESPOSITO, Teresa [IT/IT]; C/O Shardna S.P.A., Piazza Deffenu, 4, I-09125 Cagliari (IT). OMBRA, Maria, Neve [IT/IT]; C/O Shardna S.P.A., Piazza Deffenu, 4, I-09125 (IT).

- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

without international search report and to be republished upon receipt of that report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: DIAGNOSTIC AND THERAPEUTIC MEANS FOR KIDNEY STONE RELATED PATHOLOGIES

(57) Abstract: A description is given of a nucleic acid comprising at least one fragment of the human gene ZNF365 or functional portions thereof for use in the diagnosis or treatment of pathologies associated with kidney stones. Appropriate diagnostic kits are also described.